**Mr. Patrick T. Stingley**

**Veteran: USMC 1982 – 1986 P.O. Box 651 U.S. Citizen**

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**SUMMARY**

Harvard, Stanford and MIT-trained professional with expertise in Data Science, Artificial Intelligence, and Zero Trust architecture and planning. Recently completed a program with MIT focused on designing and building AI products and services. A Doctoral Candidate in Artificial Intelligence with recognized thought leadership in cloud computing. **Previous Top Secret / SCI Clearance, Masters Degree (MS-IST), PMP, ITIL/F, CEA, CCNA, CCNP, CISSP.**

**EXPERIENCE**

**Data Scientist / Artificial Intelligence Researcher September 2015 – Present**

**Computer Specialist – GS-2210-15**

**Bureau of Land Management, Department of the Interior Washington, DC**

**Primary Supervisor: Daniel Ialenti, Operations Div Chief, Phone: 303-236-104 Hours per Week: 40**

* Led Artificial Intelligence planning for the Bureau of Land Management.
* Developed multiple AI tools including neural networks, a RAG, chatbots and internally hosted large language models including Llama 2.
* Spearheaded a government-wide initiative to catalog AI tools aligning with federal fiscal policy.
* Published an AI requirements matrix for Government Agencies.
* Established the Bureau’s Data Reference Model, aligning structured data holdings with the Federal Enterprise Architecture Framework (FEAF).
* Developed Python programs for data manipulation, including an automated software inventory alignment tool adopted government-wide.
* Created a tool to identify and catalog existing scripts on the enterprise network, enhancing security and promoting script reuse.
* Developed a full, working, Zero Trust architecture and an implementation plan to accompany it.
* First from Bureau be a Senior Executive Fellow at Harvard.

**Chief Technical Officer September 2008 - September 2015**

**Computer Specialist – GS-2210-15**

**Bureau of Land Management, Department of the Interior Washington, DC**

**Primary Supervisor: Al Tariq Samuels, Phone: 202-915-7575 Hours per Week: 40**

* Wrote IT Strategic Plan, other planning document and policy documents.
* Planned and executed data center consolidation, consolidating over 85% of the Bureau’s data centers, resulting in a $4.5M savings.
* Recognized as one of the 20 most innovative federal employees in the U.S. for an IT strategy resulting in $80M annual savings for federal agencies.
* Defined the service catalog for cloud computing
* Served as the first CTO for the Federal Cloud.
* Designed a nationwide cloud infrastructure for the Department of the Interior.
* Co-founder of Data.Gov. Developed a knowledge graph for that effort.
* Received outstanding performance ratings, cash awards, and completed coursework in FAC/PPM as well as Protégé at Stanford.

**Enterprise Architect Executive Office of the President February to September 2008**

**Computer Specialist – GS-2210-14**

**Office of Management and Budget Washington, DC**

**Primary Supervisor: Eric Won, Phone: 202-208-2557 Hours per Week: 40**

* Reviewed and recommended improvements to enterprise architectures for 13 federal agencies.
* Wrote white papers for the White House detailing the implications of cloud computing.
* Developed a nationwide WAN consolidation plan for the U.S. Government, identifying major vulnerabilities in the Nation’s Critical Information Infrastructure.
* Authored a refined definition for the IT Infrastructure Line of Business and documents on security and Web 2.0.

**Chief, Enterprise Architecture Branch Oct 2006 to Sep. 2008**

**Computer Specialist – GS-2210-14**

**U. S. Department of State, Bureau of Diplomatic Security Washington, DC**

**Supervisor: Brian Jablon, Phone: 571-345-2243 Hours per Week: 40**

As Branch Chief for the Bureau of Diplomatic Security’s Enterprise Architecture Branch, Mr. Stingley established the practice of Enterprise Architecture within the Bureau, achieving notable accomplishments:

* Created a fully functional Enterprise Architecture Model within 90 days, implementing OMB’s Federal Enterprise Architecture Framework and making this available enterprise wide.
* Conducted a risk assessment for the Bureau.
* Identified $2M in savings by establishing a group license for a COTS software package and $9M in future savings through a contract.
* Identified and documented 604 applications running in the Department of State, establishing the first Department-wide software baseline.
* Consistent Outstanding Performance Appraisals.
* Certified Enterprise Architect from the FEAC Institute
* Achieved PMP certification.

**Deputy Branch Chief Executive Secretariat May to Oct 2008**

**Deputy Branch Chief, Software Development, Executive Secretariat May 2006 to October 2006**

**Computer Specialist – GS-2210-13**

**U. S. Department of State Washington, DC**

**Primary Supervisor: Richard Martin (Retired) Hours per Week: 40**

Led the team of developers who directly supported the Secretary of State and staff using low-code and agile methodologies.

**Project Manager**  **Department of State Feb 2003 to Oct 2006**

**IT Program / Project Manager, Bureau of Consular Affairs February 2003 to October 2006**

**Computer Specialist – GS-2210-13 Washington, DC**

**Primary Supervisor: Richard Martin (Retired) Hours per Week: 40**

Ran the Passport Database for the Federal Government. Notable achievements include:

* Developed and implemented an agile development methodology based on iterative development, incremental delivery, and frequent build methodologies compatible with Earned Value Management (EVM).
* Established Enterprise Network Management, resulting in the identification and remediation of nationwide network outages.
* Engineered and upgraded networks in each Passport Agency, achieving a performance improvement of 3600%.
* Managed and wrote Memoranda of Agreement for data-sharing arrangements with other agencies.
* Identified and documented all databases used in Consular Affairs.
* Worked in the Situation Room during international emergencies.
* Consistent Outstanding Performance Appraisals, and a cash award for a beneficial suggestion that averted a potential issue for American travelers.
* Achieved CISSO Certification

**Lead Consultant**  **Aug 2000 to Feb 2006**

**Blue Light Technologies, Inc. Silver Spring, MD 20910**

**Supervisor: Sally Sternback (301) 585-8848 Hours per Week: 40**

* Served as Chief Technology Officer for multiple companies, developing and delivering N-Tier computer systems. Key achievements include:
* Designed and built network appliances for Voice over IP (VoIP) and Video over IP transmission.
* Named as an inventor on a patent for a wavelet & IP-based video-teleconferencing network appliance.
* Performed Search Engine Optimization (SEO)
* Restored nationwide telecommunications for the country of Thailand.
* Achieved Cisco CCNA & CCNP Certification, along with Juniper Router configuration and MPLS.

**Data Center and NOC Architect & Mgr. May to Oct 2008**

**UUCom, Inc. (Now Defunct) Reston, VA**

**Supervisor: Rob BonGiovanni, (703) 421-4455 Hours per Week: 40**

Planned, designed, and assembled a state-of-the-art Data Center and Network Operations Center (NOC) for an application service provider. Responsibilities included:

* Selected, installed, and configured computing and networking systems for the Data Center & NOC.
* Trained staff in telecommunications lines maintenance, UNIX systems administration, networking, help desk operations, and Perl programming.
* Achieved full hiring, promotion, and firing authority for a team of 20+ staff members.
* On the RADB database, authorized to do administration on the backbone of the Internet.

**Lead Consultant, Network Engineer, Systems Architect**  . **Jul 1997 to Dec 1999**

**Blue Light Technologies, Inc. Silver Spring, MD**

**Supervisor: Kurt Snyder (425) 821-5615 Hours per Week: 40**

Founded and managed a successful computer consulting and services company. Key achievements include:

* Grew the company from a startup to over a million dollars in revenue within two years.
* Provided executive-level consulting, taught courses in Cisco Router configuration, and served as the primary Project Manager and Technical lead.
* Troubleshot and remedied a nationwide failure of the telecommunications network for the country of Thailand.
* Developed and delivered an enterprise-wide automation system for Goodman Holdings.

**Net Mgr. Ops. Mgr**  **Dec 1996 to Jun 1997**

**CDI, Inc. Philadelphia, PA**

**Hours per Week: 40**

Managed operations for a nationwide company of 30,000 employees across 100 offices, including the design and implementation of an enterprise network. Achievements include:

* Planned, designed and implemented a Frame-Relay Wide Area Network (WAN) to all offices.
* Conducted security audits and developed corporate IT security and firewall strategies.
* Implemented a work-order and Configuration Management system using MS-Access.

**Net Mgr. & BPR/DPR Engineer**  **Dec 1995 to Dec 1996**

**Pep Boys, Inc. Philadelphia, PA**

**Hours per Week: 40**

Managed the network and staff overseeing a 1500+ node LAN. Key accomplishments include:

* Added three new networks per week
* Redesigned the corporate network infrastructure to provide secure Internet connectivity.
* Migrated the WAN from point-to-point circuits to Frame-Relay, resulting in significant cost savings.
* Demonstrated a satellite-based video conferencing system for nationwide store monitoring.

**Network Engineer & Security Consultant**  **Sept 1995 to Dec 1995**

**PenCom at the Philadelphia Stock Exchange Philadelphia, PA**

**Hours per Week: 40**

Conducted a security audit, then built a proxy based firewall.

**Computer Specialist / Net. Admin.**  **Dec 1989 to Aug 1995**

**National Weather Service, NOAA Silver Spring, MD**

**Hours per Week: 40**

* Put the National Weather Service on the Internet
* Developed a global emergency management system for the United Nations, Department of Humanitarian Affairs (Project IERRIS).
* Built Speech Synthesis systems and then contracted for the Weather Radio’s Speech Synthesis system.
* Prototyped Human Computer Interface (HCI) devices to include tactile gloves, virtual reality (VR) headsets, augmented reality headsets.
* Created a PC based, IP based, video teleconferencing system (VTC) (CUSeeMe)
* Co-authored the Simple Time Protocol (STP) which is distributed as part of embedded Linux

**Adjunct Professor**  **Jun 1991 to Dec 1993**

**Northern Virginia Community College Woodbridge VA**

**Hours per week 6**

Wrote, developed and taught a course in UNIX. This included modifying a version of UNIX Ver5 to boot from a 5.25” floppy disk and then to go multi-user by adding files on a second floppy disk.

**Lead PC Programmer**  **Jun 1991 to Dec 1993**

**Army Operations Center, The Pentagon Hours per week 40**

Developed classified systems for the Federal Government.

**EDUCATION**

***Massachusetts Institute of Technology, 2024***

* Designing and Building AI Products and Services

***Harvard, Kennedy School, 2019***

* Senior Executive Fellow

***Kansas State University***

* PhD Coursework in Artificial Intelligence

***Stanford University, 2016***

* Protégé Short Course

***University of Maryland, Baltimore Campus***

* PhD Coursework in Artificial Intelligence

***The George Washington University, Washington, DC, 1994***

* M.S., Information Systems
* GPA: 3.9

***Slippery Rock State College, Slippery Rock, Pennsylvania, 1977-1981***

* B.A., Geology and Meteorology

***Northern Virginia Community College, Woodbridge, Virginia, 1987-1990***

* 30 Semester Hours, Computer Science and Electronics
* GPA: 4.0

**CERTIFICATIONS**

* ITIL/F 2015
* PMP-2007
* CEA - 2007
* CISSP - 2005
* Cisco CCNP - 2002
* Cisco CCNA - 2001
* Juniper Router Configuration and Certification – 2001

**HONORS, AWARDS, MEMBERSHIPS, PUBLICATIONS**

* Editor, Journal of the American Medical Informatics Association (JAMIA)
* Multiple conference presentations about cloud computing and agile development
* Tech BISNOW Award for Most Innovative in Government 2015
* Multiple Copyrighted Publications at Library of Congress (2008 - 2017)
* Patent on Wavelet Based Teleconferencing Network Appliance - 2000 & 2001
* Recipient of Society of Logistic Engineers Merit Scholarship (1991, 1992)
* Recipient of Phi Theta Kappa Merit Scholarship - 1989
* Adjunct Professor at Northern Virginia Community College - Developed and taught a course on UNIX
* Publications include: "Internet-Based Emergency Management" (8/94 issue of "Stop Disaster," published by U.N.), PC-based Virtual Reality Systems published in VRASP Journal